

MARTINO M. L. PULICI

PhD Student

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in martino-pulici

🔗 ilSommo



🏢 EXPERIENCE

PhD Student

Bosch Center for Artificial Intelligence

📅 Aug. 2024 – Present 📍 Renningen, Germany

Industrial PhD project focusing on the improvement of decision-making in multi-modal agentic retrieval-augmented generation through reinforcement learning and knowledge integration.

Visiting Student

The Open University's Knowledge Media Institute

📅 Oct. 2023 – Jul. 2024 📍 Milton Keynes, U.K.

Research project focusing on the investigation of viewpoint dynamics in the news domain using large language models, resulting in an award-winning paper presented at the EKAW 2024 conference.

ASC27

Artificial Intelligence Scientist

📅 Oct. 2022 – Jul. 2024 📍 Bologna, Italy

Experience in natural language processing, text-to-speech, speech-to-text, and optimisation of neural networks.

Student Intern

📅 Apr. 2022 – Sept. 2022 📍 Bologna, Italy

Internship for the MSc thesis on text-to-speech.

🎓 EDUCATION

PhD in Informatics

Ludwig-Maximilians-Universität München

📅 Jan. 2025 – Present 📍 München, Germany

MSc in Artificial Intelligence

Alma Mater Studiorum – Università di Bologna

📅 Oct. 2020 – Dec. 2022 📍 Bologna, Italy

110/110 *cum laude*

BSc in Physics

Università degli Studi di Milano

📅 Oct. 2017 – Oct. 2020 📍 Milano, Italy

110/110 *cum laude*

Conservatory Diploma in Piano

Conservatorio di Musica “Giuseppe Verdi”

📅 Nov. 2008 – Sept. 2018 📍 Milano, Italy

🏆 AWARDS

Best conference paper

EKAW 2024

📅 Nov. 2024

National final phase

Championnat International de Jeux Mathématiques et Logiques

📅 2010, 2011, 2012, 2013, 2015

🌟 CERTIFICATIONS

IELTS Academic 8.5 (C2)

IELTS

📅 Apr. 2024

Applied Games

Game Design and Development

Universiteit Utrecht

📅 Aug. 2019

👋 VOLUNTEERING

Piano Teaching

Istituto Comprensivo Cavalieri

📅 03/2019–02/2020 📍 Milano, ITA

Activities with Deaf Children

Primary School

📅 09/2016–05/2017 📍 Kwai Chung, HKG

Rural Area Redevelopment

Hydrovege

📅 03/2017 📍 Taichung, TWN

Social Farming

Mindful Farm

📅 03/2016 📍 Chiang Mai, THA

Teaching

Primary School

📅 11/2015 📍 Guangdong, CHN

PUBLICATIONS

Capturing the Viewpoint Dynamics in the News Domain

EKAW 2024

 Nov. 2024

 [File](#)

Conference paper focusing on the extraction and the classification of claims and viewpoints in the British political discourse with the aid of large language models, achieving state-of-the-art results.

Voice Cloning: Increasing Expressivity of Italian Text-to-Speech with Phonemization

MSc in Artificial Intelligence

 Dec. 2022

 [File](#)

MSc thesis focusing on the development of a text-to-speech pipeline for Italian text, with particular attention to the improvement of voice expressivity compared to pre-existing alternatives.

Improving Suppression of Jets from Pileup at High Luminosity LHC Using Timing Information from the High Granularity Timing Detector for ATLAS

BSc in Physics

 Oct. 2020

 [File](#)

BSc thesis focusing on the application of boosted decision trees to CERN's Large Hadron Collider data, with the goal of improving the suppression of pileup jets by exploiting timing information.

SELECTED PROJECTS

FFC Inception v3

 Oct. 2022 – Nov. 2022

 [Repository](#)

Computer vision project applying fast Fourier convolutions to the Inception v3 network, evaluated on image recognition tasks.

Rate severity of toxic comments

 Jan. 2022 – July 2022

 [Repository](#)

Natural language processing project comparing different architectures (LSTMs, RNNs, and transformers) in a toxicity rating task.

Anti money-laundering

 Apr. 2022 – June 2022

 [Repository](#)

Graph neural network project comparing the impact of attention on different architectures, evaluated on an anti money-laundering task.

Flatland challenge

 Mar. 2021 – July 2021

 [Repository](#)

Multi-agent reinforcement learning project comparing different deep Q-network agents on a railway traffic management task.

SKILLS

Artificial Intelligence

Computer Vision

Data Analysis

Deep Learning

Machine Learning

Natural Language Processing

Mathematics

Physics

Statistics

Debating

Music

Piano

Presentations

Teaching

Teamwork

C

C++

Docker

Git

Java

Keras

L^AT_EX

Linux

macOS

MiniZinc

Office

Prolog

Python

PyTorch

ROOT

Scikit-learn

TensorFlow

Windows

LANGUAGES

Italian



English



German



Latin



Ancient Greek



Chinese



Russian



INTERESTS

- Chess
 - Comic books
 - Cooking
 - Literature
 - Motion pictures
 - Music (Classical, Jazz, Rock)
 - Politics
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- Baseball
 - Beach volleyball
 - Running
 - Swimming
 - Volleyball